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**milk**

**PRODUCTION,  
DISPOSITION,  
AND INCOME**

**1969 - 70**

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April 22, 1971

## MILK PRODUCTION, DISPOSITION AND INCOME, 1970

Cash receipts from marketings of milk and cream in 1970 reached a record high of \$6.5 billion. Increased marketings and higher prices were responsible for the increase from the \$6.2 billion last year. Total milk production for 1970 was 1 percent above 1969 and the first yearly increase in production since 1964.

### Record-high cash receipts

Farmers' cash receipts from milk and cream were \$6,523 million in 1970, up 5 percent from the previous high last year. Cash receipts increased in all of the 10 leading States. Wisconsin led, followed by New York, California, Pennsylvania and Minnesota. These 5 States accounted for 45 percent of the national cash receipts for milk and cream in 1970. Returns for combined marketings of milk and cream averaged \$5.76 per hundredweight exceeding the previous record in 1969 by 22¢. Cash receipts from milk sold to plants and dealers totaled \$6,271 million in 1970, an increase of 5 percent from 1969. Returns from sale of cream, at \$33 million, were down 17 percent from the previous year, continuing the downward trend for this item. Direct sales to consumers totaled \$218 million, up 7 percent from 1969. Value of milk used in farm households in 1970 is estimated at \$140 million, down 6 percent from the previous year. The farm value of all milk produced is \$6,759 million, a 5 percent increase over 1969.

### Marketings by producers increased 1 percent in 1970

Milk and cream marketed by producers totaled 113.3 billion pounds of milk equivalent in 1970, up 1 percent from 1969. These marketings consist of whole milk and farm-separated cream sold to plants and dealers, and milk sold directly to consumers. Marketing of whole milk to plants, at 110.3 billion pounds, was 1 percent above the 1969 quantity.

### Farm use of milk continues downward

Milk used for all purposes on farms where produced is estimated at 4.1 billion pounds, 6 percent less than in 1969. Of the milk used on farms in 1970, 55 percent was consumed in farm households as fluid milk and cream, 42 percent was fed to calves and 3 percent was for farm-churned butter.

(Continued on page 15)

## Milk cows and production of milk, milkfat, and butter on farms, United States, 1960-70

Year	Number of milk cows on farms 1/	Production of milk and milkfat 2/					Butter churned on farms
		Per milk cow		Percentage :	Total		
		:		of fat in all:			
		Milk	Milkfat	milk produced:	Milk	Milkfat	
	Thousands	Pounds	Percent	Million pounds	1,000 lbs.		
1960	17,515	7,029	264	3.76	123,109	4,628	62,895
1961	17,243	7,290	273	3.75	125,707	4,715	51,750
1962	16,842	7,496	280	3.74	126,251	4,718	42,100
1963	16,260	7,700	286	3.71	125,202	4,649	34,100
1964	15,677	8,099	300	3.70	126,967	4,699	27,085
1965	14,954	8,304	307	3.70	124,173	4,597	21,395
1966	14,093	8,507	314	3.69	119,892	4,425	16,265
1967	13,501	8,797	325	3.69	118,769	4,384	13,220
1968	13,038	8,992	330	3.67	117,234	4,305	10,500
1969	12,693	9,166	337	3.67	116,345	4,274	8,240
1970	12,509	9,388	344	3.67	117,436	4,305	6,012

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Excludes milk sucked by calves.

## Milk used and marketed by farmers, United States, 1960-70

Year	Milk used on farms where produced				Milk marketed by farmers			
	Fed	Consumed	Used for	Total	Sold to plants	Sold	Total	
	to	as fluid	farm-		and dealers 2/	directly		
	calves	1/ milk and	churned		As whole	As farm-		to consu-
	1/	cream	butter		milk	separated cream	mers 3/	
				Million pounds				
1960	2,548	5,273	1,337	9,158	103,927	7,938	2,086	113,951
1961	2,432	4,835	1,115	8,382	108,353	6,918	2,054	117,325
1962	2,330	4,419	915	7,664	110,678	5,943	1,966	118,587
1963	2,245	4,070	743	7,058	111,195	5,060	1,889	118,144
1964	2,152	3,742	595	6,489	114,176	4,439	1,863	120,478
1965	2,061	3,443	472	5,976	112,716	3,650	1,831	118,197
1966	1,973	3,146	362	5,481	109,675	2,993	1,743	114,411
1967	1,893	2,882	292	4/5,205	109,420	2,381	1,764	113,565
1968	1,823	2,656	235	4,714	108,767	1,973	1,780	112,520
1969	1,755	2,441	184	4,380	108,653	1,613	1,699	111,965
1970	1,728	2,238	136	4,102	110,254	1,348	1,732	113,334

1/ Excludes milk sucked by calves.

2/ Includes milk produced by dealers' own herds.

3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

4/ Includes some milk used for other purposes on farms or not utilized.



Milk and cream marketed by farmers: Quantity, price, and cash receipts,  
United States, 1960-70

Year	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	: 100 lb.	: per	: receipts	: milkfat	: per lb.	: receipts	: quart	: per	: receipts
	: Mil. lb.	: Dol.	: 1,000 dol.	: 1,000 lb.	: Ct.	: 1,000 dol.	: 000 qt.	: Ct.	: 1,000 dol.
1960	103,927	4.21	4,373,174	292,490	60.5	176,860	970,233	21.7	209,923
1961	108,353	4.22	4,568,016	254,720	61.5	156,607	955,349	21.7	207,667
1962	110,678	4.09	4,529,454	218,470	59.4	129,814	914,419	21.9	200,368
1963	111,195	4.10	4,556,278	184,530	59.5	109,886	878,605	22.2	194,727
1964	114,176	4.15	4,737,507	160,650	60.2	96,660	866,512	22.3	192,666
1965	112,716	4.23	4,766,470	132,090	61.1	80,674	851,628	22.3	189,903
1966	109,675	4.81	5,271,099	107,830	67.2	72,509	810,698	23.2	188,368
1967	109,420	5.01	5,486,449	86,290	68.2	58,829	820,465	24.0	197,147
1968	108,767	5.24	5,701,114	71,190	68.7	48,936	827,907	24.8	205,102
1969	108,653	5.49	5,961,809	58,120	68.9	40,065	790,092	25.9	204,270
1970	110,254	5.68	6,271,497	48,300	69.2	33,432	805,583	27.1	218,016

Farm marketings, income, and value of dairy products, United States, 1960-70

Year	Combined marketings of milk and cream			Used for milk, cream and butter		Gross farm income		Farm value of all milk produced
	Average returns 1/			on farms where produced		from dairy products 3/		2/ 4/
	Milk utilized	Per 100 pounds	Per pound	Cash receipts from marketings	Milk utilized	Value 2/	Value 3/	
	: Mil. lb.	: Dollars	: 1,000 dol.	: Mil. lb.	: 1,000 dol.	: 1,000 dollars		
1960	113,951	4.18	1.11	4,759,957	6,610	296,529	5,056,486	5,158,116
1961	117,325	4.20	1.12	4,932,290	5,950	265,275	5,197,565	5,296,024
1962	118,587	4.10	1.10	4,859,636	5,334	231,515	5,091,151	5,182,148
1963	118,144	4.11	1.11	4,860,891	4,813	210,287	5,071,178	5,159,474
1964	120,478	4.17	1.13	5,026,833	4,337	192,053	5,218,886	5,304,899
1965	118,197	4.26	1.15	5,037,047	3,915	174,999	5,212,046	5,296,432
1966	114,411	4.84	1.31	5,531,976	3,508	175,885	5,707,861	5,800,216
1967	113,565	5.06	1.37	5,742,425	3,174	166,108	5,908,533	6,008,175
1968	112,520	5.29	1.44	5,955,152	2,891	157,742	6,112,894	6,206,735
1969	111,965	5.54	1.51	6,206,144	2,625	149,515	6,355,659	6,450,073
1970	113,334	5.76	1.57	6,522,945	2,374	139,937	6,662,882	6,759,494

1/ Cash receipts divided by milk or milkfat represented in combined marketings.

2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

4/ Includes value of milk fed to calves. For 1967, also includes value of milk used for other purposes on farms or not utilized.

## Milk cows and production of milk, milkfat, and butter by States, 1969

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/				Butter churned on farms	
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk		Milkfat
		Thousands	Pounds	Percent	Mil. lbs.		1,000 lbs.
Maine	69	8,957	336	3.75	618	23	60
N. H.	38	9,447	359	3.80	359	14	
Vt.	206	9,320	350	3.75	1,920	72	
Mass.	65	10,477	388	3.70	681	25	
R. I.	7.9	10,127	370	3.65	80	3	
Conn.	66	10,288	381	3.70	679	25	
N. Y.	1,029	10,150	365	3.60	10,444	376	
N. J.	75	10,493	383	3.65	787	29	
Pa.	721	9,705	359	3.70	6,997	259	120
Ohio	463	9,639	361	3.75	4,463	167	94
Ind.	241	9,880	371	3.75	2,381	89	50
Ill.	316	9,491	346	3.65	2,999	109	50
Mich.	472	9,735	355	3.65	4,595	168	
Wis.	1,851	9,752	361	3.70	18,051	668	
Minn.	1,008	9,650	343	3.55	9,727	345	40
Iowa	528	9,252	333	3.60	4,885	176	208
Mo.	368	8,361	309	3.70	3,077	114	516
N. Dak.	148	7,453	261	3.50	1,103	39	168
S. Dak.	192	8,161	290	3.55	1,567	56	80
Nebr.	199	8,101	296	3.65	1,612	59	241
Kans.	206	8,189	299	3.65	1,687	62	160
Del.	15	9,200	340	3.70	138	5	
Md.	169	9,249	342	3.70	1,563	58	
Va.	225	8,018	301	3.75	1,804	68	936
W. Va.	63	6,571	246	3.75	414	16	312
N. C.	190	7,816	293	3.75	1,485	56	1,118
S. C.	69	7,333	290	3.95	506	20	216
Ga.	142	7,915	297	3.75	1,124	42	410
Fla.	190	8,205	308	3.75	1,559	58	
Ky.	354	6,912	263	3.80	2,447	93	608
Tenn.	313	6,722	259	3.85	2,104	81	514
Ala.	138	5,855	222	3.80	808	31	514
Miss.	201	5,279	206	3.90	1,061	41	500
Ark.	99	6,990	259	3.70	692	26	415
La.	175	6,160	237	3.85	1,078	42	50
Okla.	151	8,325	296	3.55	1,257	45	176
Texas	351	8,510	306	3.60	2,987	108	474
Mont.	44	7,955	286	3.60	350	13	50
Idaho	155	9,219	341	3.70	1,429	53	
Wyo.	18.5	8,162	294	3.60	151	5	
Colo.	101	8,614	310	3.60	870	31	60
N. Mex.	36	8,556	304	3.55	308	11	
Ariz.	51	11,235	399	3.55	573	20	
Utah	76	10,303	371	3.60	783	28	
Nev.	13.8	10,072	363	3.60	139	5	
Wash.	183	10,831	412	3.80	1,982	75	55
Oreg.	110	8,836	353	4.00	972	39	45
Calif.	776	11,466	413	3.60	8,898	320	
Alaska	1.8	9,889	356	3.60	17.8	1	
Hawaii	12.8	10,391	353	3.40	133	5	
U. S.	12,693	9,166	337	3.67	116,345	4,274	8,240

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Excludes milk sucked by calves.



## Milk used and marketed by farmers by States, 1969

State	Milk used on farms where produced				Milk marketed by farmers			
	Fed to calves 1/	Consumed	Used	Total	Sold to plants	Sold	Total	
		as	for		and dealers 2/	directly		
		fluid milk and cream	farm- churned butter		As whole milk	As farm- separated: cream : consumers : 3/		
M i l l i o n p o u n d s								
Maine	8	14	1	23	576		19	595
N. H.	5	8		13	340		6	346
Vt.	19	19		38	1,855		27	1,882
Mass.	5	8		13	610		58	668
R. I.	1	1		2	74		4	78
Conn.	8	9		17	637		25	662
N. Y.	140	96		236	10,095	8	105	10,208
N. J.	6	9		15	750		22	772
Pa.	55	126	3	184	6,600	18	195	6,813
Ohio	73	82	2	157	4,270	9	27	4,306
Ind.	26	47	1	74	2,285	11	11	2,307
Ill.	30	50	1	81	2,895	11	12	2,918
Mich.	82	50		132	4,420	31	12	4,463
Wis.	384	210		594	17,430	2	25	17,457
Minn.	170	142	1	313	9,225	180	9	9,414
Iowa	95	115	5	215	4,390	260	20	4,670
Mo.	38	103	12	153	2,875	24	25	2,924
N. Dak.	31	36	4	71	610	415	7	1,032
S. Dak.	28	37	2	67	1,345	150	5	1,500
Nebr.	33	45	6	84	1,270	250	8	1,528
Kans.	34	41	4	79	1,545	42	21	1,608
Del.	1	2		3	133		2	135
Md.	14	19		33	1,520		10	1,530
Va.	31	94	21	146	1,625	19	14	1,658
W. Va.	8	44	7	59	340	7	8	355
N. C.	18	123	25	166	1,300		19	1,319
S. C.	6	21	5	32	465		9	474
Ga.	7	32	9	48	1,060		16	1,076
Fla.	6	10		16	1,420		123	1,543
Ky.	32	150	13	195	2,230	3	19	2,252
Tenn.	28	121	11	160	1,930		14	1,944
Ala.	7	70	11	88	700		20	720
Miss.	10	75	10	95	960		6	966
Ark.	8	35	10	53	625		14	639
La.	6	55	1	62	1,000		16	1,016
Okla.	23	41	4	68	1,145	26	18	1,189
Texas	25	76	11	112	2,835	3	37	2,875
Mont.	8	27	1	36	255	53	6	314
Idaho	38	32		70	1,335	12	12	1,359
Wyo.	4	11		15	121	12	3	136
Colo.	24	23	1	48	745	29	48	822
N. Mex.	4	8		12	258		38	296
Ariz.	6	8		14	523		36	559
Utah	9	19		28	701	2	52	755
Nev.	3	2		5	131	1	2	134
Wash.	42	32	1	75	1,825	15	67	1,907
Oreg.	27	23	1	51	865	13	43	921
Calif.	88	38		126	8,370	7	395	8,772
Alaska	0.3	0.5		0.8	16.3		0.7	17.0
Hawaii	1	1		2	123		8	131
U. S.	1,755	2,441	184	4,380	108,653	1,613	1,699	111,965

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

## Milk and cream marketed by farmers: Quantity, price and cash receipts, by States, 1969

State	Milk sold to plants and dealers				Cream sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Percent	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	fluid	fluid	per	receipts	milkfat	per lb.	receipts	per	per	receipts
	grade 1/	100 lb.	100 lb.		fat			quart		
	Mil. lb.	Pct.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	1,000 qt.	Ct.	1,000 dol.
Maine	576	100	6.58	37,901				8,837	28.6	2,527
N. H.	340	100	6.43	21,862				2,791	27.6	770
Vt.	1,855	100	6.21	115,195				12,558	27.2	3,416
Mass.	610	100	6.56	40,016				26,977	28.5	7,688
R. I.	74	100	6.48	4,795				1,860	28.5	530
Conn.	637	100	6.78	43,189				11,628	28.5	3,314
N. Y.	10,095	100	5.80	585,510	310	57	177	48,837	25.1	12,258
N. J.	750	100	6.13	45,975				10,233	26.5	2,712
Pa.	6,600	98	6.16	406,560	670	57	382	90,698	25.0	22,675
Ohio	4,270	88	5.76	245,952	340	50	170	12,558	24.2	3,039
Ind.	2,285	83	5.52	126,132	430	60	258	5,116	24.2	1,238
Ill.	2,895	73	5.25	151,988	400	63	252	5,581	25.0	1,395
Mich.	4,420	87	5.60	247,520	1,170	67	784	5,581	25.5	1,423
Wis.	17,430	51	4.87	848,841	70	73	51	11,628	24.5	2,849
Minn.	9,225	25	4.52	416,970	6,370	74	4,714	4,186	26.0	1,088
Iowa	4,390	32	4.76	208,964	9,330	74	6,904	9,302	26.0	2,419
Mo.	2,875	58	5.14	147,775	920	65	598	11,628	25.2	2,930
N. Dak.	610	33	4.47	27,267	14,530	72	10,462	3,256	25.2	821
S. Dak.	1,345	15	4.52	60,794	5,280	69	3,643	2,326	25.0	582
Nebr.	1,270	40	4.85	61,595	9,050	64	5,792	3,721	22.2	826
Kans.	1,545	72	5.49	84,820	1,550	67	1,039	9,767	22.5	2,198
Del.	133	2/	6.35	8,445				930	26.5	246
Md.	1,520	2/	6.26	95,152				4,651	27.4	1,274
Va.	1,625	82	6.10	99,125	750	46	345	6,512	25.3	1,648
W. Va.	340	2/	6.02	20,468	280	48	134	3,721	25.8	960
N. C.	1,300	95	6.90	89,700				8,837	25.5	2,253
S. C.	465	2/	6.93	32,224				4,186	25.5	1,067
Ga.	1,060	100	6.79	71,974				7,442	25.4	1,890
Fla.	1,420	100	7.28	103,376				57,209	30.9	17,678
Ky.	2,230	63	5.27	117,521	120	51	61	8,837	24.0	2,121
Tenn.	1,930	67	5.59	107,887				6,512	21.7	1,413
Ala.	700	97	6.71	46,970				9,302	21.8	2,028
Miss.	960	89	6.18	59,328				2,791	22.4	625
Ark.	625	64	5.78	36,125				6,512	23.0	1,498
La.	1,000	100	6.77	67,700				7,442	25.3	1,883
Okla.	1,145	90	6.02	68,929	980	67	657	8,372	22.2	1,859
Texas	2,835	100	6.74	191,079	110	55	61	17,209	27.8	4,784
Mont.	255	89	5.51	14,050	1,960	68	1,333	2,791	24.0	670
Idaho	1,335	25	4.55	60,742	440	64	282	5,581	25.1	1,401
Wyo.	121	2/	5.36	6,486	440	64	282	1,395	29.0	405
Colo.	745	2/	6.10	45,445	1,090	62	676	22,326	28.3	6,318
N. Mex.	258	100	6.18	15,944				17,674	27.5	4,860
Ariz.	523	100	6.34	33,158				16,744	25.7	4,303
Utah	701	70	5.20	36,452	70	59	41	24,186	21.5	5,200
Nev.	131	100	5.60	7,336	40	60	24	930	26.5	246
Wash.	1,825	100	5.70	104,025	610	63	384	31,163	26.8	8,352
Oreg.	865	77	5.58	48,267	550	68	374	20,000	26.8	5,360
Calif.	8,370	91	5.15	431,055	260	71	185	183,721	25.0	45,930
Alaska	16.3	100	10.73	1,749				326	34.6	113
Hawaii	123	100	9.33	11,476				3,721	31.9	1,187
U. S.	108,653	73	5.49	5,961,809	58,120	68.9	40,065	790,092	25.9	204,270

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Farm marketings, income, and value of dairy products, by States, 1969

State	Combined marketings of milk and cream				Used for milk, cream and butter		Gross farm income	Farm value of milk produced
	Average returns 1/				on farms where produced		from dairy products	3/ 2/ 4/
	Milk utilized	Per 100 pounds milk	Per pound milkfat	Cash receipts from marketings	Milk utilized	Value 2/		
	Mil. lb.	Dollars	1,000 dol.		Mil. lb.	1,000 dollars		
Maine	595	6.79	1.82	40,428	15	1,018	41,446	41,962
N. H.	346	6.54	1.72	22,632	8	523	23,155	23,479
Vt.	1,882	6.30	1.68	118,611	19	1,197	119,808	120,960
Mass.	668	7.14	1.93	47,704	8	571	48,275	48,623
R. I.	78	6.83	1.87	5,325	1	68	5,393	5,464
Conn.	662	7.02	1.90	46,503	9	632	47,135	47,666
N. Y.	10,208	5.86	1.63	597,945	96	5,626	603,571	612,018
N. J.	772	6.31	1.73	48,687	9	568	49,255	49,660
Pa.	6,813	6.31	1.71	429,617	129	8,140	437,757	441,511
Ohio	4,306	5.79	1.54	249,161	84	4,864	254,025	258,408
Ind.	2,307	5.53	1.47	127,628	48	2,654	130,282	131,669
Ill.	2,918	5.27	1.44	153,635	51	2,688	156,323	158,047
Mich.	4,463	5.60	1.53	249,727	50	2,800	252,527	257,320
Wis.	17,457	4.88	1.32	851,741	210	10,248	861,989	880,889
Minn.	9,414	4.49	1.26	422,772	143	6,421	429,193	436,742
Iowa	4,670	4.67	1.30	218,287	120	5,604	223,891	228,129
Mo.	2,924	5.17	1.40	151,303	115	5,945	157,248	159,081
N. Dak.	1,032	3.74	1.07	38,550	40	1,496	40,046	41,252
S. Dak.	1,500	4.33	1.22	65,019	39	1,689	66,708	67,851
Nebr.	1,528	4.46	1.22	68,213	51	2,275	70,488	71,895
Kans.	1,608	5.48	1.50	88,057	45	2,466	90,523	92,448
Del.	135	6.44	1.74	8,691	2	129	8,820	8,887
Md.	1,530	6.30	1.70	96,426	19	1,197	97,623	98,469
Va.	1,658	6.10	1.63	101,118	115	7,015	108,133	110,044
W. Va.	355	6.07	1.62	21,562	51	3,096	24,658	25,130
N. C.	1,319	6.97	1.86	91,953	148	10,316	102,269	103,504
S. C.	474	7.02	1.78	33,291	26	1,825	35,116	35,521
Ga.	1,076	6.86	1.83	73,864	41	2,813	76,677	77,106
Fla.	1,543	7.85	2.09	121,054	10	785	121,839	122,381
Ky.	2,252	5.32	1.40	119,703	163	8,672	128,375	130,180
Tenn.	1,944	5.62	1.46	109,300	132	7,418	116,718	118,245
Ala.	720	6.81	1.79	48,998	81	5,516	54,514	55,025
Miss.	966	6.21	1.59	59,953	85	5,278	65,231	65,888
Ark.	639	5.89	1.59	37,623	45	2,650	40,273	40,759
La.	1,016	6.85	1.78	69,583	56	3,836	73,419	73,843
Okla.	1,189	6.01	1.69	71,445	45	2,704	74,149	75,546
Texas	2,875	6.81	1.89	195,924	87	5,925	201,849	203,415
Mont.	314	5.11	1.42	16,053	28	1,431	17,484	17,885
Idaho	1,359	4.59	1.24	62,425	32	1,469	63,894	65,591
Wyo.	136	5.27	1.46	7,173	11	580	7,753	7,958
Colo.	822	6.38	1.77	52,439	24	1,531	53,970	55,506
N. Mex.	296	7.03	1.98	20,804	8	562	21,366	21,652
Ariz.	559	6.70	1.89	37,461	8	536	37,997	38,391
Utah	755	5.52	1.53	41,693	19	1,049	42,742	43,222
Nev.	134	5.68	1.58	7,606	2	114	7,720	7,895
Wash.	1,907	5.91	1.56	112,761	33	1,950	114,711	117,136
Oreg.	921	5.86	1.46	54,001	24	1,406	55,407	56,959
Calif.	8,772	5.44	1.51	477,170	38	2,067	479,237	484,051
Alaska	17.0	10.95	3.04	1,862	0.5	55	1,917	1,949
Hawaii	131	9.67	2.84	12,663	1	97	12,760	12,861
U. S.	111,965	5.54	1.51	6,206,144	2,625	149,515	6,355,659	6,450,073

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketing of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.



## Milk cows and production of milk, milkfat, and butter by States, 1970

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/					Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk	Milk fat	
		Thousands	Pounds	Percent	Mil. lbs.	1,000 lbs.	
Maine	67	9,209	345	3.75	617	23	
N. H.	37	9,568	364	3.80	354	13	
Vt.	205	9,585	359	3.75	1,965	74	
Mass.	63	10,540	390	3.70	664	25	
R. I.	7.4	10,135	370	3.65	75	3	
Conn.	64	10,359	383	3.70	663	25	
N. Y.	1,024	10,207	367	3.60	10,452	376	
N. J.	69	10,580	386	3.65	730	27	
Pa.	712	9,994	370	3.70	7,116	263	80
Ohio	454	9,705	364	3.75	4,406	165	47
Ind.	239	10,008	375	3.75	2,392	90	
Ill.	304	9,599	350	3.65	2,918	107	
Mich.	465	9,903	361	3.65	4,605	168	
Wis.	1,845	9,937	368	3.70	18,334	678	
Minn.	984	9,931	353	3.55	9,772	347	
Iowa	497	9,489	346	3.65	4,716	172	166
Mo.	357	8,532	316	3.70	3,046	113	387
N. Dak.	141	7,553	264	3.50	1,065	37	126
S. Dak.	180	8,378	297	3.55	1,508	54	40
Nebr.	189	8,497	306	3.60	1,606	58	241
Kans.	201	8,269	302	3.65	1,662	61	120
Del.	15	9,400	348	3.70	141	5	
Md.	168	9,405	353	3.75	1,580	59	
Va.	222	8,198	303	3.70	1,820	67	627
W. Va.	59	6,678	247	3.70	394	15	222
N. C.	187	8,048	302	3.75	1,505	56	939
S. C.	66	7,712	301	3.90	509	20	173
Ga.	146	8,199	307	3.75	1,197	45	320
Fla.	191	8,592	314	3.65	1,641	60	
Ky.	344	7,137	268	3.75	2,455	92	517
Tenn.	304	7,026	267	3.80	2,136	81	329
Ala.	135	6,044	230	3.80	816	31	468
Miss.	195	5,379	207	3.85	1,049	40	400
Ark.	97	7,144	261	3.65	693	25	332
La.	171	6,339	241	3.80	1,084	41	
Okla.	147	8,503	302	3.55	1,250	44	132
Texas	355	8,611	310	3.60	3,057	110	346
Mont.	43	8,116	296	3.65	349	13	
Idaho	156	9,551	349	3.65	1,490	54	
Wyo.	17.6	8,239	301	3.65	145	5	
Colo.	101	8,752	315	3.60	884	32	
N. Mex.	35	8,657	307	3.55	303	11	
Ariz.	52	11,250	394	3.50	585	20	
Utah	80	10,425	381	3.65	834	30	
Nev.	13.9	10,216	363	3.55	142	5	
Wash.	187	11,182	425	3.80	2,091	79	
Oreg.	108	8,981	355	3.95	970	38	
Calif.	794	11,957	430	3.60	9,494	342	
Alaska	1.8	10,333	377	3.65	18.6	1	
Hawaii	12.9	10,620	361	3.40	137	5	
U. S.	12,509	9,388	344	3.67	117,436	4,305	6,012

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Excludes milk sucked by calves.

## Milk used and marketed by farmers, by States, 1970

State	Milk used on farms where produced				Milk marketed by farmers			
	Fed	Consumed	Used for	Total	Sold to plants and dealers 2/		Sold directly	Total
	to	as fluid	farm-		As	As farm-	to	
	calves	milk and	churned		whole	separated	consumers	
	1/	cream	butter		milk	cream	3/	
M i l l i o n p o u n d s								
Maine	8	13		21	580		16	596
N. H.	4	8		12	336		6	342
Vt.	18	18		36	1,905		24	1,929
Mass.	5	8		13	600		51	651
R. I.	1	1		2	69		4	73
Conn.	8	8		16	624		23	647
N. Y.	139	92		231	10,115	7	99	10,221
N. J.	6	7		13	695		22	717
Pa.	54	121	2	177	6,720	18	201	6,939
Ohio	71	75	1	147	4,225	7	27	4,259
Ind.	25	42		67	2,305	10	10	2,325
Ill.	29	42		71	2,825	10	12	2,847
Mich.	80	46		126	4,440	27	12	4,479
Wis.	386	196		582	17,725	2	25	17,752
Minn.	167	132		299	9,335	131	7	9,473
Iowa	90	100	4	194	4,305	199	18	4,522
Mo.	37	92	9	138	2,865	18	25	2,908
N. Dak.	29	32	3	64	625	370	6	1,001
S. Dak.	26	34	1	61	1,330	112	5	1,447
Nebr.	32	38	6	76	1,300	222	8	1,530
Kans.	33	36	3	72	1,535	34	21	1,590
Del.	1	2		3	136		2	138
Md.	14	18		32	1,540		8	1,548
Va.	31	87	14	132	1,660	17	11	1,688
W. Va.	8	40	5	53	325	6	10	341
N. C.	18	117	21	156	1,330		19	1,349
S. C.	6	19	4	29	473		7	480
Ga.	7	29	7	43	1,140		14	1,154
Fla.	6	10		16	1,525		100	1,625
Ky.	32	137	11	180	2,255	3	17	2,275
Tenn.	27	109	7	143	1,980		13	1,993
Ala.	7	63	10	80	715		21	736
Miss.	9	66	8	83	960		6	966
Ark.	8	33	8	49	630		14	644
La.	6	47		53	1,015		16	1,031
Okla.	22	38	3	63	1,145	24	18	1,187
Texas	24	74	8	106	2,910	3	38	2,951
Mont.	8	25		33	260	50	6	316
Idaho	38	32		70	1,400	8	12	1,420
Wyo.	4	10		14	117	11	3	131
Colo.	24	21		45	760	29	50	839
N. Mex.	4	8		12	252		39	291
Ariz.	6	7		13	540		32	572
Utah	9	18		27	755	2	50	807
Nev.	3	2		5	134	1	2	137
Wash.	43	27		70	1,924	13	84	2,021
Oreg.	25	21	1	47	875	10	38	923
Calif.	89	35		124	8,895	4	471	9,370
Alaska	0.3	0.5		0.8	16.8		1.0	17.8
Hawaii	1	1		2	127		8	135
U. S.	1,728	2,238	136	4,102	110,254	1,348	1,732	113,334

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as milk sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.



## Milk and cream marketed by farmers: Quantity, price and cash receipts, by States, 1970

State	Milk sold to plants				Cream sold to plants				Milk sold directly		
	and dealers				and dealers				to consumers		
	Quantity	Percent	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash	
	fluid	grade 1/	per	receipts	milkfat	per lb.	fat	receipts	per	receipts	
	Mil. lb.	Pct.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	1,000 qt.	Ct.	1,000 dol.	
Maine.	580	100	6.86	39,788				7,442	32.0	2,381	
N. H.	336	100	6.67	22,411				2,791	31.0	865	
Vt.	1,905	100	6.44	122,682				11,163	28.0	3,126	
Mass.	600	100	6.82	40,920				23,721	31.0	7,354	
R. I.	69	100	6.70	4,623				1,860	32.0	595	
Conn.	624	100	7.01	43,742				10,698	31.0	3,316	
N. Y.	10,115	100	5.99	605,888	270	58	157	46,047	27.5	12,663	
N. J.	695	100	6.34	44,063				10,233	27.3	2,794	
Pa.	6,720	98	6.30	423,360	670	59	395	93,488	25.5	23,839	
Ohio	4,225	89	5.97	252,232	270	50	135	12,558	25.0	3,140	
Ind.	2,305	83	5.72	131,846	380	66	251	4,651	24.5	1,139	
Ill.	2,825	73	5.38	151,985	360	64	230	5,581	25.5	1,423	
Mich.	4,440	87	5.79	257,076	1,010	70	707	5,581	26.5	1,479	
Wis.	17,725	51	5.10	903,975	70	74	52	11,628	24.5	2,849	
Minn.	9,335	25	4.73	441,545	4,620	74	3,419	3,256	26.0	847	
Iowa	4,305	32	4.97	213,958	7,100	74	5,254	8,372	27.0	2,260	
Mo.	2,865	58	5.31	152,131	690	70	483	11,628	25.0	2,907	
N. Dak.	625	33	4.82	30,125	12,910	72	9,295	2,791	29.0	809	
S. Dak.	1,330	15	4.81	63,973	3,930	70	2,751	2,326	25.0	582	
Nebr.	1,300	43	5.20	67,600	7,930	65	5,075	3,721	26.5	986	
Kans.	1,535	72	5.66	86,881	1,250	68	850	9,767	23.5	2,295	
Del.	136	100	6.61	8,990				930	26.5	246	
Md.	1,540	2/	6.56	101,024				3,721	27.4	1,020	
Va.	1,660	85	6.32	104,912	660	47	310	5,116	30.0	1,535	
W. Va.	325	2/	6.18	20,085	240	50	120	4,651	28.0	1,302	
N. C.	1,330	97	7.04	93,632				8,837	26.0	2,298	
S. C.	473	2/	7.25	34,293				3,256	25.9	843	
Ga.	1,140	100	6.95	79,230				6,512	31.0	2,019	
Fla.	1,525	100	7.41	113,002				46,512	29.8	13,861	
Ky.	2,255	63	5.35	120,642	120	60	72	7,907	24.0	1,898	
Tenn.	1,980	68	5.69	112,662				6,047	25.0	1,512	
Ala.	715	97	6.91	49,406				9,767	24.0	2,344	
Miss.	960	91	6.25	60,000				2,791	23.0	642	
Ark.	630	64	5.99	37,737				6,512	24.0	1,563	
La.	1,015	100	6.97	70,745				7,442	32.0	2,381	
Okla.	1,145	90	6.39	73,165	890	70	623	8,372	25.0	2,093	
Texas	2,910	100	6.86	199,626	110	56	62	17,674	29.0	5,125	
Mont.	260	89	5.64	14,664	1,840	68	1,251	2,791	25.0	698	
Idaho	1,400	27	4.86	68,040	290	64	186	5,581	24.0	1,339	
Wyo.	117	2/	5.62	6,575	400	66	264	1,395	30.0	419	
Colo.	760	2/	6.37	48,412	1,080	63	680	23,256	29.0	6,744	
N. Mex.	252	100	6.41	16,153				18,140	32.0	5,805	
Ariz.	540	100	6.59	35,586				14,884	29.5	4,391	
Utah	755	69	5.48	41,374	70	59	41	23,256	21.5	5,000	
Nev.	134	100	5.90	7,906	40	62	25	930	28.5	265	
Wash.	1,924	100	5.81	111,784	530	66	350	39,070	26.0	10,158	
Oreg.	875	79	5.89	51,537	420	69	290	17,674	25.0	4,419	
Calif.	8,895	90	5.35	475,882	150	69	104	219,070	27.0	59,149	
Alaska	16.8	100	10.90	1,831				465	35.0	163	
Hawaii	127	100	9.29	11,798				3,721	30.5	1,135	
U. S.	110,254	73	5.68	6,271,497	48,300	69.2	33,432	805,583	27.1	218,016	

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Farm marketings, income and value of dairy products, by States, 1970

State	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products 3/	Farm value of milk produced 2/ 4/
	Average returns 1/				Milk utilized	Value 2/		
	Milk utilized	Per 100 pounds milk	Per pound milkfat	Cash receipts from marketings				
	Mil. lb.	Dollars		1,000 dol.	Mil. lb.	1,000 dollars		
Maine	596	7.08	1.89	42,169	13	920	43,089	43,684
N. H.	342	6.81	1.79	23,276	8	545	23,821	24,107
Vt.	1,929	6.52	1.74	125,808	18	1,174	126,982	128,118
Mass.	651	7.42	2.01	48,274	8	594	48,868	49,269
R. I.	73	7.15	1.96	5,218	1	71	5,289	5,362
Conn.	647	7.27	1.96	47,058	8	582	47,640	48,200
N. Y.	10,221	6.05	1.68	618,708	92	5,566	624,274	632,346
N. J.	717	6.54	1.79	46,857	7	458	47,315	47,742
Pa.	6,939	6.45	1.74	447,594	123	7,933	455,527	458,982
Ohio	4,259	6.00	1.60	255,507	76	4,560	260,067	264,360
Ind.	2,325	5.73	1.53	133,236	42	2,407	135,643	137,062
Ill.	2,847	5.40	1.48	153,638	42	2,268	155,906	157,572
Mich.	4,479	5.79	1.59	259,262	46	2,663	261,925	266,629
Wis.	17,752	5.11	1.38	906,876	196	10,016	916,892	936,867
Minn.	9,473	4.71	1.33	445,811	132	6,217	452,028	460,261
Iowa	4,522	4.90	1.34	221,472	104	5,096	226,568	231,084
Mo.	2,908	5.35	1.45	155,521	101	5,403	160,924	162,961
N. Dak.	1,001	4.02	1.15	40,229	35	1,407	41,636	42,813
S. Dak.	1,447	4.65	1.31	67,306	35	1,627	68,933	70,122
Nebr.	1,530	4.81	1.34	73,661	44	2,116	75,777	77,249
Kans.	1,590	5.66	1.55	90,026	39	2,207	92,233	94,069
Del.	138	6.69	1.81	9,236	2	134	9,370	9,433
Md.	1,548	6.59	1.76	102,044	18	1,186	103,230	104,122
Va.	1,688	6.32	1.71	106,757	101	6,383	113,140	115,024
W. Va.	341	6.31	1.71	21,507	45	2,839	24,346	24,861
N. C.	1,349	7.11	1.90	95,930	138	9,812	105,742	107,005
S. C.	480	7.32	1.88	35,136	23	1,684	36,820	37,259
Ga.	1,154	7.04	1.88	81,249	36	2,534	83,783	84,269
Fla.	1,625	7.81	2.14	126,863	10	781	127,644	128,162
Ky.	2,275	5.39	1.44	122,612	148	7,977	130,589	132,324
Tenn.	1,993	5.73	1.51	114,174	116	6,647	120,821	122,393
Ala.	736	7.03	1.85	51,750	73	5,132	56,882	57,365
Miss.	966	6.28	1.63	60,642	74	4,647	65,289	65,877
Ark.	644	6.10	1.67	39,300	41	2,501	41,801	42,273
La.	1,031	7.09	1.87	73,126	47	3,332	76,458	76,856
Okla.	1,187	6.39	1.80	75,881	41	2,620	78,501	79,875
Texas	2,951	6.94	1.93	204,813	82	5,691	210,504	212,156
Mont.	316	5.26	1.44	16,613	25	1,315	17,928	18,357
Idaho	1,420	4.90	1.34	69,565	32	1,568	71,133	73,010
Wyo.	131	5.54	1.52	7,258	10	554	7,812	8,033
Colo.	839	6.66	1.85	55,836	21	1,399	57,235	58,874
N. Mex.	291	7.55	2.13	21,958	8	604	22,562	22,876
Ariz.	572	6.99	2.00	39,977	7	489	40,466	40,891
Utah	807	5.75	1.58	46,415	18	1,035	47,450	47,955
Nev.	137	5.98	1.68	8,196	2	120	8,316	8,492
Wash.	2,021	6.05	1.59	122,292	27	1,633	123,925	126,505
Oreg.	923	6.09	1.54	56,246	22	1,340	57,586	59,073
Calif.	9,370	5.71	1.59	535,135	35	1,998	537,133	542,107
Alaska	17.8	11.20	3.07	1,994	0.5	56	2,050	2,083
Hawaii	135	9.58	2.82	12,933	1	96	13,029	13,125
U. S.	113,334	5.76	1.57	6,522,945	2,374	139,937	6,662,882	6,759,494

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.

## Supply and utilization of milk, United States, 1965-70

Item	1965	1966	1967	1968	1969	1970
Million pounds						
Milk production	124,173	119,892	118,769	117,234	116,345	117,436
Net imports of ingredients (M.E.) 1/	149	1,431	1,334	172	316	502
Net change in storage cream (M.E.) 2/	10	-60	43	24	-22	29
Total supply	124,332	121,263	120,146	117,430	116,639	117,967
<u>Utilization (milk equivalent)</u>						
Used in manufactured products--						
Creamery butter, total M. E.	29,867	25,084	27,563	26,393	25,241	25,569
M. E. of butter from whey cream	1,319	1,413	1,457	1,481	1,510	1,616
Net milk equivalent	28,548	23,671	26,106	24,912	23,731	23,953
Cheese:						
American	11,458	12,154	12,701	12,716	12,668	14,315
Other	4,277	4,521	4,507	4,660	4,948	5,304
Cottage cheese, creamed	1,046	1,044	1,050	1,094	1,150	1,242
Canned milk:						
Evaporated	3,471	3,516	3,087	2,851	2,973	2,482
Sweetened condensed	214	287	141	195	190	159
Bulk condensed whole milk:						
Unsweetened	780	706	636	679	567	600
Sweetened	151	152	149	159	147	160
Dry whole milk	654	698	547	589	489	501
Ice cream and other frozen dairy products, total M. E.						
M. E. of butter and condensed milk used in ice cream	1,987	6/1,998	6/1,967	2,058	2,015	2,013
Net milk equivalent	10,570	10,508	10,538	10,979	11,028	11,033
Other manufactured products 3/	599	643	308	396	424	445
Total manufactured products	61,768	57,900	59,770	59,230	58,315	60,194
Used in fluid products--						
Sold by dealers	53,569	53,657	52,236	51,920	51,101	50,268
Sold by producers						
directly to consumers 4/	1,831	1,743	1,764	1,780	1,699	1,732
Total fluid sales	55,400	55,400	54,000	53,700	52,800	52,000
Used on farms where produced--						
Fed to calves	2,061	1,973	1,893	1,823	1,755	1,728
Consumed as fluid milk and cream	3,443	3,146	2,882	2,656	2,441	2,238
Used for farm-churned butter	472	362	292	235	184	136
Total used on farms	5,976	5,481	7/5,205	4,714	4,380	4,102
Residual 5/	1,188	2,482	1,171	-214	1,144	1,671
Total utilization	124,332	121,263	120,146	117,430	116,639	117,967

1/ Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. 2/ Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage. 3/ Whole milk equivalent of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, dehydrated butterfat and other miscellaneous products using milkfat. 4/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds. 5/ Residual, includes minor miscellaneous uses and any inaccuracies in production and utilization estimates. 6/ Without adjustment for imported butterfat-sugar mixtures which may have replaced butter and condensed milk used in ice cream. 7/ Includes some milk used for other purposes on farms or not utilized.



(Continued from page 3)

### Fluid grade milk 73 percent of deliveries to plants

Fluid grade milk accounted for 73 percent of all whole milk sold to plants and dealers in 1970, the same percentage as in 1969. During 1970, all milk marketed in 19 States was fluid grade. Fluid grade milk accounted for less than half of the total milk marketed in Idaho and all West North Central States except Missouri and Kansas.

### Supply and utilization of milk

Data on milk supply and utilization (page 14) are published in whole-milk equivalent, based on the milkfat content of ingredients and products. The total supply consists of milk production plus the milk equivalent of net imports of dairy manufacturing ingredients and net out-of-storage movement of cream. Data on milk used in manufactured products are based on total milkfat required to produce the products and include the milk equivalent of any imported ingredients used. Consumption of fluid milk and cream is reported in separate estimates of sales by dealers, sales by producers directly to consumers, and milk consumed on farms where produced.

Fluid grade milk as percent of all milk sold by farmers  
to plants and dealers, by regions, 1961-70 1/

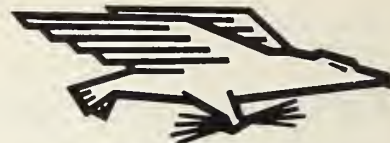
Region	:	:	:	:	:	:	:	:	:	:	:
	:	1961:	1962:	1963:	1964:	1965:	1966:	1967:	1968:	1969:	1970
	:	:	:	:	:	:	:	:	:	:	:
	:	Percent									
North Atlantic	:	99	99	99	99	99	99	99	99	99	99
East North Central:	:	57	58	60	59	60	61	60	62	66	65
West North Central:	:	30	29	29	28	28	28	29	31	35	35
South Atlantic	:	90	91	92	92	93	94	94	95	95	96
South Central	:	73	74	75	76	78	80	80	81	83	83
Western	:	75	76	78	82	82	84	84	84	85	85
	:										
United States	:	67	67	68	68	69	69	70	70	73	73
	:										

1/ Percentage eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured products.

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